#### Information Services Industry Forecast 1988-1993

Robert L. Goodwin Vice President INPUT







#### Information Services Industry Forecast 1988-1993

NOTES:	
MPRE89-35	



## Research Methodology

Vendor Surveys Analysis Bottoms-Up • 500 Largest

• Revenues: Current/ Prior Years

· Growth Rates

· Industries

Delivery Mode (7)Industry Sector (22)

NOTES:		
MAAP-36		
MPRE89-36	 	



# Research Methodology Adjustments Large Companies-by Name Small Companies-Average Calendarization Captive Revenues Delivery Mode Industry Convert Base Year Revenues Vendor \$ to User Exp.

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## Research Methodology



· 500 User Surveys

TechnologyEconomics

· Vendor Activity

· Industry Trend

Driving Forces Inhibiting Forces

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MAAP-36.2	



All INPUT Forecasts Are for U.S. Non-Captive User Expenditures, in Current Period Dollars.

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# GNP Nominal Growth Rate Assumptions (Percent)

	1987A	1988A	1989E	1993E
Real GNP	3.4	3.8	2.8	3.0
*GNP Deflator	3.3	3.4	5.5	4.5
Nominal GNP	6.7	7.2	8.3	7.5

<sup>\*</sup>Year-to-Year Comparisons





## Growth Rates By Delivery Mode (Percent)

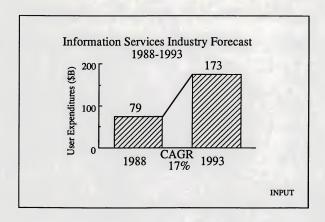
Applications Software

	1987A	1988E	1989E	1993E
Real Growth	20.7	19.5	16.5	15.0
Price Deflator	3.3	4.5	5.5	4.5
Nominal Growth	24.0	24.0	22.0	18.0
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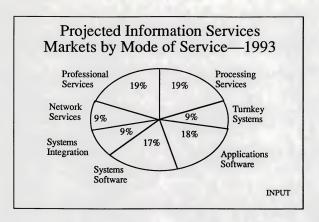
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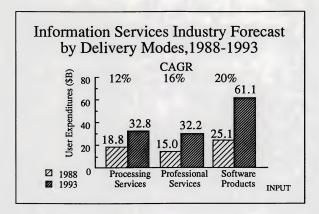








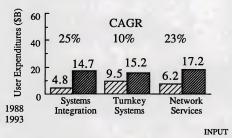


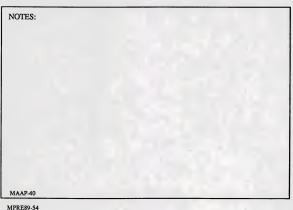






#### Information Services Industry Forecast by Delivery Modes, 1988-1993







#### **Preliminary Results**

1989 Forecast Activity

330 Interviews of Information Services Vendors

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MPRE89-54a	



Preliminary Results 1989 Vendor Survey

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		1987-1988
	# of	Revenue
Delivery Mode	Respondents	Growth (%)
Processing Services	47	13
Network Services	20	35
Application Software	152	25
Systems Software	48	30
Turnkey Systems	63	20
Systems Integration	23	31
Professional Services	91	23
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NOTES:	
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## Incremental Industry Expenditures by Delivery Mode, 1988-1993

Delivery Mode	\$B Added over 5-Yr Period
Total Software	38
- Systems Products	20
<ul> <li>Applications Products</li> </ul>	18
Professional Services	18
Processing Services	14

NOTES:		
MPRE89-55		



## Incremental Industry Expenditures by Delivery Mode, 1988-1993

Delivery Mode	\$B Added Over 5-Yr Period
Network Services	12
Systems Integration	11
Turnkey Systems	6
Total	99

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NOTES:			
J88-RDW-7b			



### Information Services Leading Vendors

Vend	ors	1988 U.S. Revenues (\$B)*	Market Share (Percent)
IBN	1	5.7	7
** ED	s	1.7	2
AD	P	1.6	2
DE	C	1.3	2
Uni	sys	1.2	2
CS		1.0	1

Top Ten Vendors=20% of Industry Total

INPUT Estimates	** Non-GM Business	INPUT

NOTES: 1188-RDW-8a



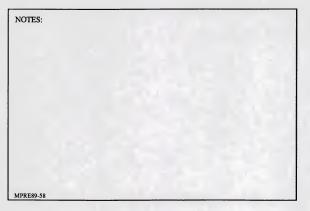
## Information Services Leading Vendors

Vendors	1988 U.S. Revenues (\$B)*	Market Share (Percent)
Andersen Consulting	1.0	1
McDonnell Douglas	0.9	1
CDC	0.9	1
Computer Associates	0.7	1

Top Ten Vendors=20% of Industry Total

\* INPUT Estimates

**INPUT** 





## Leading Independent Information Services Vendors

Vendors	1988 U.S. Revenues (\$B)*	
ADP	1.6	
CSC	1.0	
Computer Assoc.	0.7	
Intergraph	0.7	
Lotus	0.4	
Shared Medical	0.4	
Microsoft	0.3	
Oracle	0.3	
MSA	0.2	
Compugraphics	0.2	
* INPUT Estimates		INPUT

NOTES:		
JJ88-RDW-9a	•	

MPRE89-59a,b



## Worldwide Markets-1987

	\$ Billions				
	U.S.	Europe	Japan	Others	Total
Computer Equip.	54	33	28	6	121
Maintenance	12	8	6	1	27
Software	20	9	8	4	41
Computer Svcs.*	47	23	10	2	82
Total	133	73	52	13	271

<sup>\*</sup> Processing Services, Network Services, Professional Services, Systems Integration

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NOTES:			
			75
MPRE89-59c			



## Worldwide Markets-1992

	\$ Billions				
	U.S.	Europe	Japan	Others	Total
Computer Equip.	88	50	50	12	200
Maintenance	16	13	7	2	38
Software	51	24	28	12	115
Computer Svcs.*	97	52	24	4	177
Total	252	139	109	30	530

<sup>\*</sup> Processing Services, Network Services, Professional Services, Systems Integration

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NOTES:			
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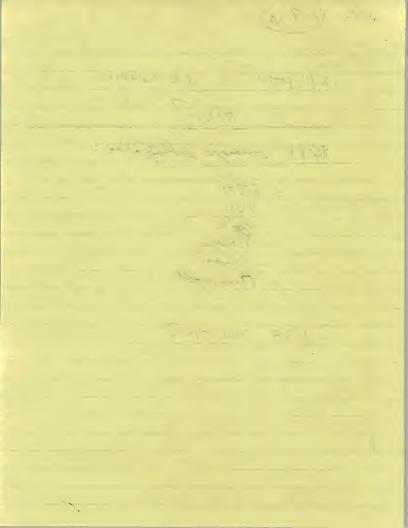
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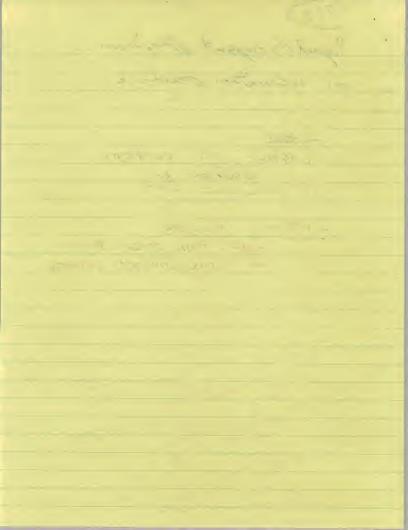
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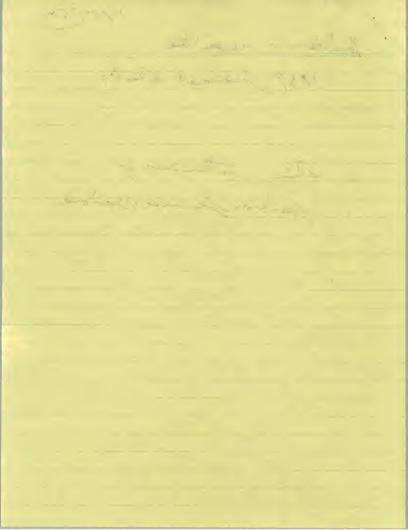
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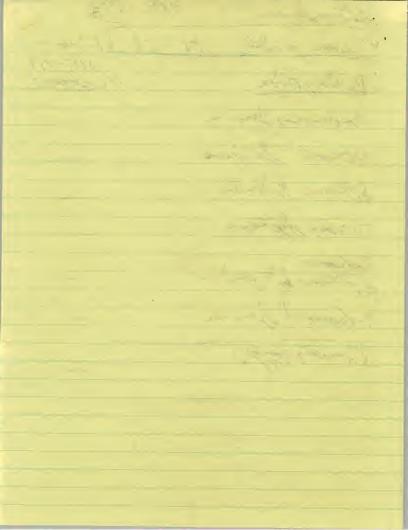


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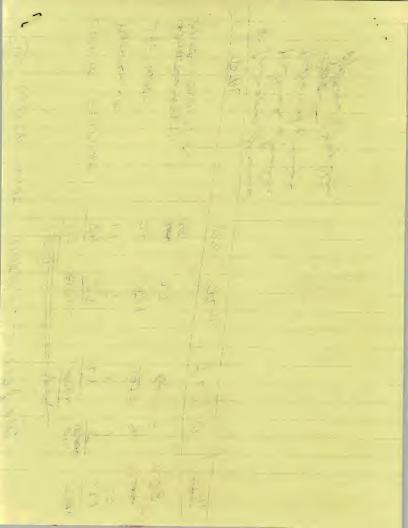
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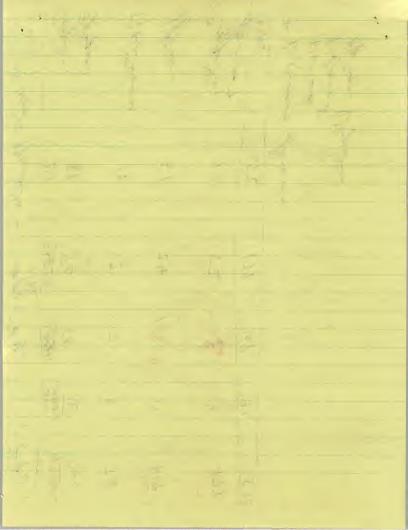
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